

Patent Abstracts of Japan

PUBLICATION NUMBER : 11152441
PUBLICATION DATE : 08-06-99

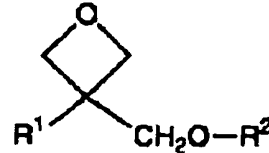
APPLICATION DATE : 21-11-97
APPLICATION NUMBER : 09320665

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INT.CL. : C09D163/00 B05D 7/14 C09D 5/00
C09D 7/12 // C08G 65/08

TITLE : ULTRAVIOLET-CURING
COMPOSITION FOR COATING CAN



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a composition curable by ultraviolet radiation and able to form a dry film excellent in coating film performance (such as workability and tight adhesiveness) and excellent in coated film appearance (such as leveling), by making the composition include an alicyclic epoxy compound, an oxetane ring-containing compound and a cationic polymerization initiator.

SOLUTION: This composition is prepared by including (A) 10-85 pts.wt. of a compound having an alicyclic epoxy group in a molecule (e.g. dicyclopentadiene dioxide), (B) 5-60 pts.wt. of a compound having an oxetane ring and expressed by the formula (R¹ is H, F or the like; R² is a 2-12C alkyl or the like), (C) 5-60 pts.wt. of a compound having one oxetane ring and one hydroxyl group in a molecule, (D) 5-60 pts.wt. of a compound having two or more oxetane rings in a molecule or having one oxetane ring and one epoxy group in a molecule and (E) a cationic polymerization initiator in a quantity of 0.01-20 pts.wt. based on 100 pts.wt. of the total of the components A, B, C and D.

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